

Reliable power for telecom infrastructure in Timor-Leste



Overview

This report provides a comprehensive overview of the state of internet access in Timor-Leste as of 2025, covering usage rates, infrastructure, service providers, challenges, government initiatives, the impact of satellite internet (e. Starlink), regional comparisons, and. Until recently, Timor-Leste relied on satellite uplinks and Indonesian terrestrial transit (via fiber or microwave from Nusa Tenggara Timur). Bandwidth was expensive, limited, and high-latency, with median speeds often <5 Mbps. Connects Dili → Darwin + Port Hedland, Australia. Deployment led by. In June 2024, Timor-Leste landed the TLSSC submarine cable, about 607 km to Australia with 27 Tbps capacity, built by Alcatel Submarine Networks, connecting Dili to Australia's NWCS via Darwin and Port Hedland. These include the nation's first submarine fiber optic cable - the "Timor-Leste South Submarine Cable" - and preparation by domestic mobile network operators for the. Timor-Leste is on the brink of a digital revolution with the anticipated arrival of a submarine cable promising faster and more affordable internet access. This project was more than just an installation; it was about ensuring a community stays connected. The moment I landed, I went straight to. sion is to, open the telecommunications market to competition, establish a new independent regulatory body and introduce a Universal Service Policy that will dramatically impro nment have put in place an independent regulatory body named ANC (the National Communication Authority) to regulate the.

Article Content

Energy in Timor-Leste

Betano Power Station, powered by imported fuel oil Map of Timor-Leste with photovoltaic potential shaded; as can be seen, it is very high, especially near the coast. Timor-Leste consumes 125 GWh

CPS sector assessment

Sector Performance, Problems and Opportunities 1. Timor-Leste has made tremendous progress in the power sector since independence in 2002. Since 2008, the government, through its electric utility,

Powering Progress: Timor-Leste Achieves 92% National Electricity

National Grid Expansion: The steady extension of the central power grid from major urban centers into peri-urban and accessible rural areas has continued to connect thousands of new

Timor-Leste's Digital Transformation, Cybersecurity and the ...

The imminent upgrading of Timor-Leste's digital infrastructure promises to create significant opportunities in sectors such as finance, telecommunications, and e-commerce, as well as

Timor-Leste energy storage infrastructure

What are the main sources of energy in Timor-Leste? Countries such as Indonesia and Australia. Seventy-five percent of oil imports are used for electricity production, with the remaining 25 percent

Timor-Leste

an IXP is a physical infrastructure that allows different Internet Service Providers (ISPs) and networks to exchange Internet traffic directly, rather than through third-party networks or

Timor-Leste's Internet Evolution: Bridging the Digital

Timor-Leste (East Timor) is making strides to overcome a long-standing digital divide. For years, this young Southeast Asian nation has

Chinese engineers help electrify Timor-Leste, transforming lives and ...

For Timor-Leste, where the CNI22 helped build critical infrastructure after the nation gained independence in 2002, the partnership carries deeper symbolism.

Powering Up a Remote Telecom Base in Timor-Leste

Our mission: to ensure the successful commissioning and knowledge transfer for a 100kW hybrid solar system powering a critical telecom base in a remote area. This project was more

A New Era? Timor-Leste After the UN

Background Most basic infrastructure such as power, water, transport, telecommunications, office and school buildings built by Portuguese and Indonesian administrations in Timor-Leste were destroyed

\$35 Million ADB Loan to Enhance Electricity Services in Timor-Leste

MANILA, PHILIPPINES (27 October 2021) — The Asian Development Bank (ADB) has approved a \$35 million loan to help provide sustainable, reliable electricity to 12 municipalities by modernizing the

Capacity Building of Electricidade de Timor-Leste in Distribution ...

The Power Distribution Modernization Project will (i) modernize the power distribution system in rural and urban areas in 12 municipalities across Timor-Leste and (ii) provide institutional strengthening

Accelerating Clean Energy Access to Reduce Inequality

Timor-Leste's National Strategic Development Plan 2011-2030 targets that everyone in TimorLeste will have access to reliable electricity 24 hours a day by 2030. To

Telecommunications in Timor-Leste — Grokipedia

Telecommunications in Timor-Leste, a Southeast Asian archipelago nation with a population of approximately 1.3 million, is dominated by mobile networks that provide near-universal geographic

THE DEMOCRATIC REPUBLIC OF TIMOR-LESTE

Ladies and Gentlemen, It is a great honour to represent the Government of Timor-Leste participating in this High-Level Dialogue on Energy to share our progress, challenges and commitments

Electrification in post-conflict Timor-Leste: Opportunities for energy ...

This Perspective paper aims to elucidate the influence of Timor-Leste's improvements in electricity access on its national development outcomes and how these may be enhanced, with a

Timor-Leste's Internet Evolution: Bridging the Digital

The Timor-Leste Digital 2032 strategy (2022–2032) aims to expand e-government, digital education, e-health and digital agriculture, backed by better

Power Distribution Modernization Project: Sector Assessment

Two power plants—the 119.5 MW Hera Diesel Power Plant and the 136.6 MW Betano Diesel Power Plant—supply all of mainland Timor-Leste's electricity needs. Both plants can run on heavy fuel oil or

Power Sector Development Plan for Timor-Leste

This study report presents the results of a 20-year power sector development plan for Timor-Leste (East Timor). This study is the first of its kind, and establishes the basis for future development of the

Timor-Leste

Timor-Leste Access to telecommunications has been improving in the post-conflict island State, especially since the introduction of competition in the mobile sector. Mobile services: Timor Telecom

Timor-Leste forges renewable energy bonds with

From 28 August to 1 September 2023, 10 Timor-Leste officials visited the Northern Territory to witness the off-grid energy systems powering the Territory's clean

UNESCAP Committee on Information and Communications

In line with SDP 2011-2030, Timor-Leste took initiatives to implement broadband access to attain national coverage in phases via terrestrial and sub-sea connectivity.

Power Distribution Modernization Project: Strategic Procurement ...

In Timor-Leste, the National Procurement Commission (NPC) has conducted procurement of infrastructure funded projects. As Power Distribution Modernization Project is one of the

Telecommunications in Timor-Leste — Grokipedia

Timor-Leste's telecommunications infrastructure remains underdeveloped, characterized by sparse fixed-line networks and limited broadband coverage, primarily due to the country's rugged

A cable to connect Timor-Leste, but can it bridge the digital divide ...

The Timorese government has prioritised the submarine cable as a critical component of its broader broadband strategy. In May 2022, an agreement was formalised between Timor-Leste

Enhancing critical health infrastructure through clean,

About the initiative MEA Power Up aims to address this by partnering with Master Electricians Australia and the Australian Government to enhance critical health

Power Distribution Modernization Project: Sector Assessment

Timor-Leste is presently a lower middle-income economy but aims on becoming a middle-income country by 2030. The Government's Strategic Development Plan (SDP) 2011-2030, released in June

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